# Mountain Weather Forecast

## Lake District National Park

Forecast valid from 06:00 on Friday 13 Jan 2023 until 23:59 on Saturday 14 Jan 2023

Forecast Issued on Friday 13 Jan 2023 at 03:11

**Confidence:** High for unsettled for much of the period, also for turning to a colder more sheltered northerly for Monday, but lowering confidence for detail of timing and intensity of worst of weather due to the mobile nature of the westerly flow before Monday, also for Tuesdays detail.

**Headline for Friday 13 Jan 2023:** Rather cloudy with occasional showers. Early gales.

**Mountain weather hazards on Friday 13 Jan 2023**

**Blizzards**
No Likelihood

**Heavy persistent snow**
No Likelihood

**Storm force winds**
No Likelihood

**Gales**
Low Likelihood

**Severe chill effect**
Medium Likelihood

**Poor visibility**
Medium Likelihood

**Thunderstorms**
No Likelihood

**Heavy persistent rain**
No Likelihood

**Strong sunlight**
No Likelihood

| **Weather and chance of precipitation at 800m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Sleet | Light snow | Light snow | Light snow | Light snow | Heavy snow |
| Precipitation probability | | | | | |
| 40% | 40% | 40% | 40% | 30% | 80% |

**Forecast for Friday 13 Jan 2023**

**Weather:** Mainly cloudy by day with occasional showers. Band of rain and snow extending from the west for the evening. Snow level 900m lowering 700m for a time in in the afternoon showers.

**Chance of cloud-free hill tops above 800m:** 60-70% for any specific time, but very low for extended periods given the showery nature of the flow.

**Low cloud and visibility:** Good becoming moderate or poor in rain, very poor in snow and within cloud with bases mostly above the peaks by day, frequently lowering 500-700m chiefly when showers push through.

Check our weather forecast every day to get the most accurate and up to date information
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# Mountain Weather Forecast

**Forecast for Friday 13 Jan 2023**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | 51/60 W | 43/52 W | 36/46 W | 38/48 W | 29/36 SW | 27/35 SW | 29/37 S |
| **600** | 41/53 W | 35/46 W | 31/42 W | 31/42 W | 24/33 SW | 23/32 SW | 24/34 S |
| **300** | 15/42 W | 15/38 W | 14/33 W | 13/34 W | 9/25 SW | 10/24 SW | 8/23 S |
| **Valley** | 14/40 W | 13/35 W | 13/31 W | 12/29 W | 9/24 SW | 11/24 SW | 9/23 S |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | 1/-9 | 0/-9 | 0/-8 | -0/-9 | -0/-8 | -0/-8 | 0/-7 |
| **600** | 3/-5 | 2/-5 | 2/-5 | 2/-5 | 2/-5 | 1/-5 | 2/-5 |
| **300** | 5/1 | 5/0 | 5/0 | 5/1 | 4/1 | 4/0 | 4/0 |
| **Valley** | 7/4 | 7/3 | 7/3 | 7/4 | 7/4 | 6/3 | 6/3 |
| **Freezing Level*** | 1000m | 1000m | 900m | 900m | 800m | 800m | 1100m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Nothing to add.

**Forecast for Saturday 14 Jan 2023**

**Weather:** Overcast with periods of rain and summit snow, frequently turning heavy. However some chance of clearing to brighter spells and showers for a time during the late afternoon. Snow level 800m lowering to 500m later in the day.

**Maximum wind:** West or southwest mean 30mph with gusts reaching 45mph across most exposed ridges and summits.

**Chance of cloud-free hill tops above 800m:** Virtually nil, becoming 40% late afternoon

**Low cloud and visibility:** Moderate or poor in rain, very poor in snow and within cloud with bases extensive from 500-700m, possible improving late afternoon.

**Temperature:** **Valleys:** Plus 1 Celsius increasing 9 Celsius during the afternoon
**At 800m:** Plus 2 Celsius decreasing Minus 2 Celsius
**Freezing level:** 900m decreasing 600m

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# Mountain Weather Forecast

**Ground Conditions Supplement**

Date: Thursday 12 January. Location: Helvellyn summit at 12:18. Full report: A windy day with upland gales and rain this morning clearing to leave scattered showers, some of which were wintery over high ground. The ground is saturated and many streams and rivers are still in spate. The freezing level around midday was above summit level, however, it is forecast to lower this evening and overnight. Snowmelt during the day has lifted the snowline to roughly 700m and all of the snow encountered today was soft, wet, and slowly thawing. Depth generally increases with height, however, it varies from very little (or nothing) over high and exposed ground to knee-deep drifts in more sheltered areas. The greatest accumulations of snow are found on steep north and east-facing slopes above 800m. Soft and unstable cornices are also present around corrie rims in these locations and should be given a wide berth. Striding and Swirral edge are in full winter condition and a steep bank of snow exists on the exit slopes. Freezing temperatures overnight are likely to freeze today's wet snow, meaning that it may be hard and icy tomorrow. Any overnight precipitation is also likely to fall as snow over high ground, therefore, there may be more snow and ice tomorrow than described here. Although the summit temperature today was a little above freezing, the windchill (feels-like) temperature was around -8ºC, and anyone standing still even for short periods of time would get very cold very quickly. Upland gales and further hill snow are forecast tomorrow, therefore anyone venturing out should anticipate and be prepared for very challenging conditions. Full winter clothing (warm and waterproof) including hats and gloves, a map, compass, and headtorch are all essential. For anyone considering steep and exposed routes above the snowline, an ice axe and crampons/microspikes are also essential and goggles are highly recommended for route-finding and navigating in windy conditions. Temperature: plus 1.2 C, Maximum wind speed 48.5 mph, Wind chill: minus 8.1 C, Average wind speed: 33.5 mph

Issued at: 03:11 on Fri 13 Jan 2023

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